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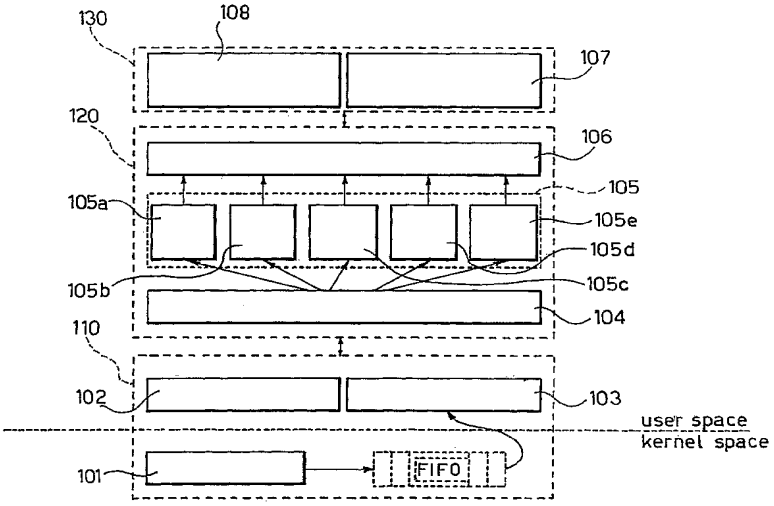
(54) Title: METHOD AND APPARATUS FOR MONITORING OPERATION OF PROCESSING SYSTEMS, RELATED NETWORK AND COMPUTER PROGRAM PRODUCT THEREFOR



(57) Abstract: Apparatus for monitoring operation of a processing system (A, B, ..., X) includes a set of modules (105) for monitoring operation of a set of system primitives that allocate or release the system resources and are used by different processes running on the system. Preferably, the modules include: at least one application knowledge module (105a, 105b) tracking the processes running on the system and monitoring the resources used thereby, a network knowledge module (105c) monitoring connections by the processes running on the system, a file-system analysis module (105d) monitoring the file-related operations performed within the system, and a device monitoring module (105a) monitoring operation of commonly used modules with said system. A preferred field of application is in host-based intrusion detection systems (HIDS).

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